

Table 1.—Preliminary estimates of passage by brood-year (BY) and run for unmarked juvenile Chinook salmon and steelhead trout captured by rotary-screw traps at Red Bluff Diversion Dam (RK391), Sacramento River, CA, for the dates listed below. Results include estimated passage, peak river discharge volume, water temperature, turbidity, and fork length (mm) range in parentheses. A dash (-) indicates that sampling was not conducted on that date.

Date	Discharge volume (cfs) ¹	Water temperature (°C)	Water turbidity (NTU)	Estimated passage			
				BY10 Winter	BY10 Spring	BY10 Fall	BY11 Late-Fall
BY11 RBT							
4/9/2011	58,800	10.1	—	—	—	—	—
4/10/2011	69,400	10.8	—	—	—	—	—
4/11/2011	60,400	11.4	—	—	—	—	—
4/12/2011	59,000	11.8	6.5	70 (115)	3,306 (80 – 95)	9,972 (37 – 79)	625 (32 – 36)
4/13/2011	60,400	11.6	6.4	51 (120)	1,018 (81 – 100)	7,441 (37 – 80)	511 (31 – 36)
4/14/2011	57,900	11.7	4.5	0 (-)	1,328 (81 – 93)	4,978 (38 – 80)	617 (31 – 36)
4/15/2011	57,400	11.9	—	—	—	—	—
4/16/2011	56,900	12.4	—	—	—	—	—
4/17/2011	54,300	13.2	—	—	—	—	—
4/18/2011	47,900	13.1	—	—	—	—	—
4/19/2011	41,900	13.1	—	—	—	—	—
4/20/2011	36,200	12.8	6.5	0 (-)	1,303 (85 – 108)	33,480 (39 – 84)	6,136 (31 – 38)
4/21/2011	31,900	12.1	4.5	0 (-)	2,400 (85 – 105)	34,277 (39 – 84)	852 (30 – 38)
4/22/2011	28,200	8.8	—	—	—	—	—
Biweekly Total²				281	26,151	289,399	31,457
<i>Biweekly Lower 90% Confidence Interval</i>				-3,016	-68,523	-678,046	-97,588
<i>Biweekly Upper 90% Confidence Interval</i>				3,578	120,825	1,256,844	160,502
Brood Year Total				1,281,645	139,377	6,311,102	46,836
<i>Brood year Lower 90% Confidence Interval</i>				837,413	49,139	3,603,617	1,558
<i>Brood year Upper 90% Confidence Interval</i>				1,725,877	229,615	9,018,586	92,115
							6,002

¹ Peak daily discharge values do not account for diversions at RBDD and only represent peak flows registered at the Bend Bridge Gauging station (<http://cdec2.water.ca.gov/cgi-progs/queryFx?bnd>).

² Biweekly totals may be greater than the sum of the daily estimates presented in this table if sampling was not conducted on each day of the biweekly period. A dash (-) denotes those dates. To estimate daily passage for days that were not sampled, we impute missed sample days with the weekly mean value of days sampled within the week.

Juvenile Winter Chinook Salmon Estimated Passage

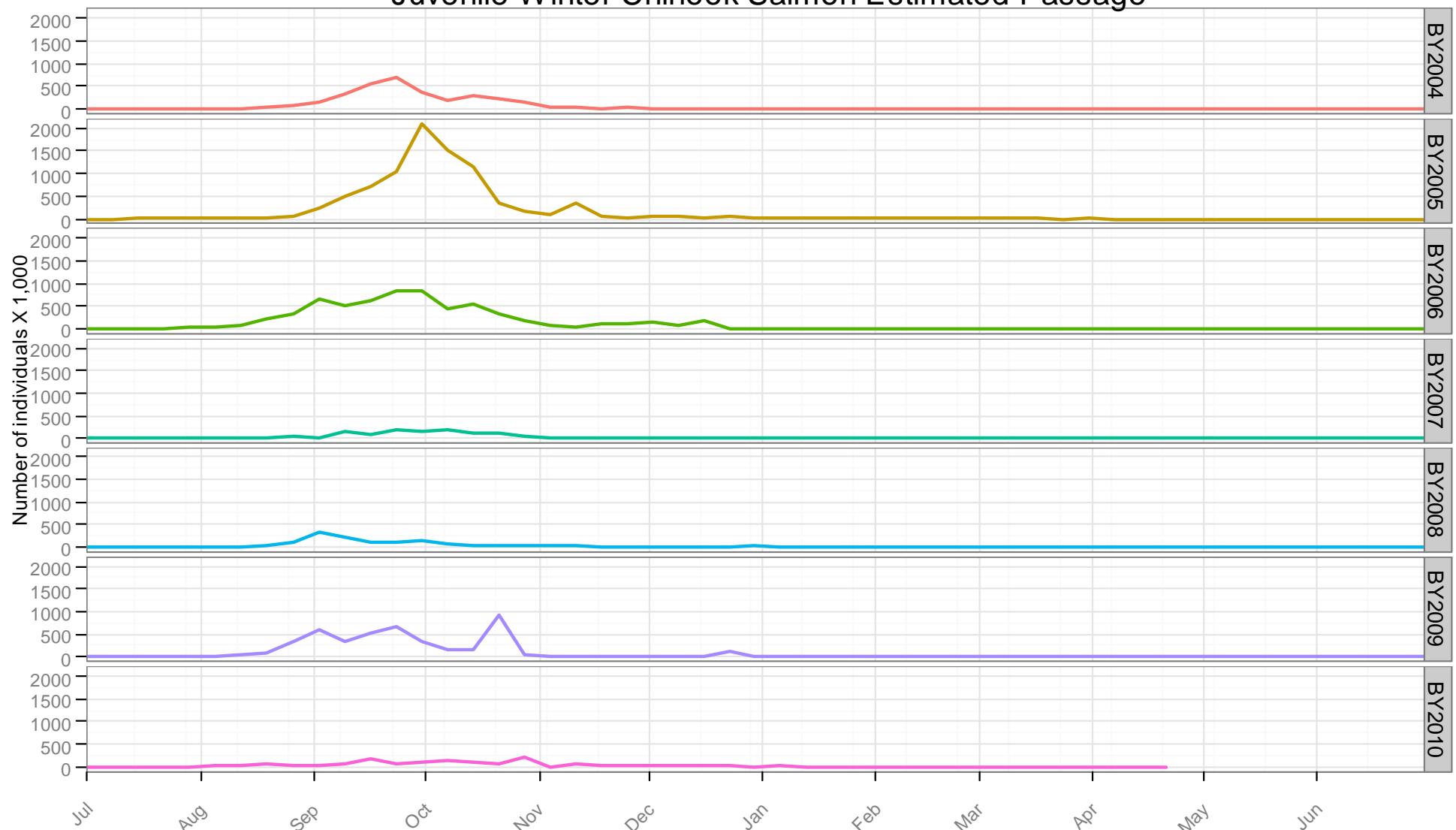


Figure 1. Weekly estimated passage of juvenile winter Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period July 1 2004 to present.

Juvenile Spring Chinook Salmon Estimated Passage

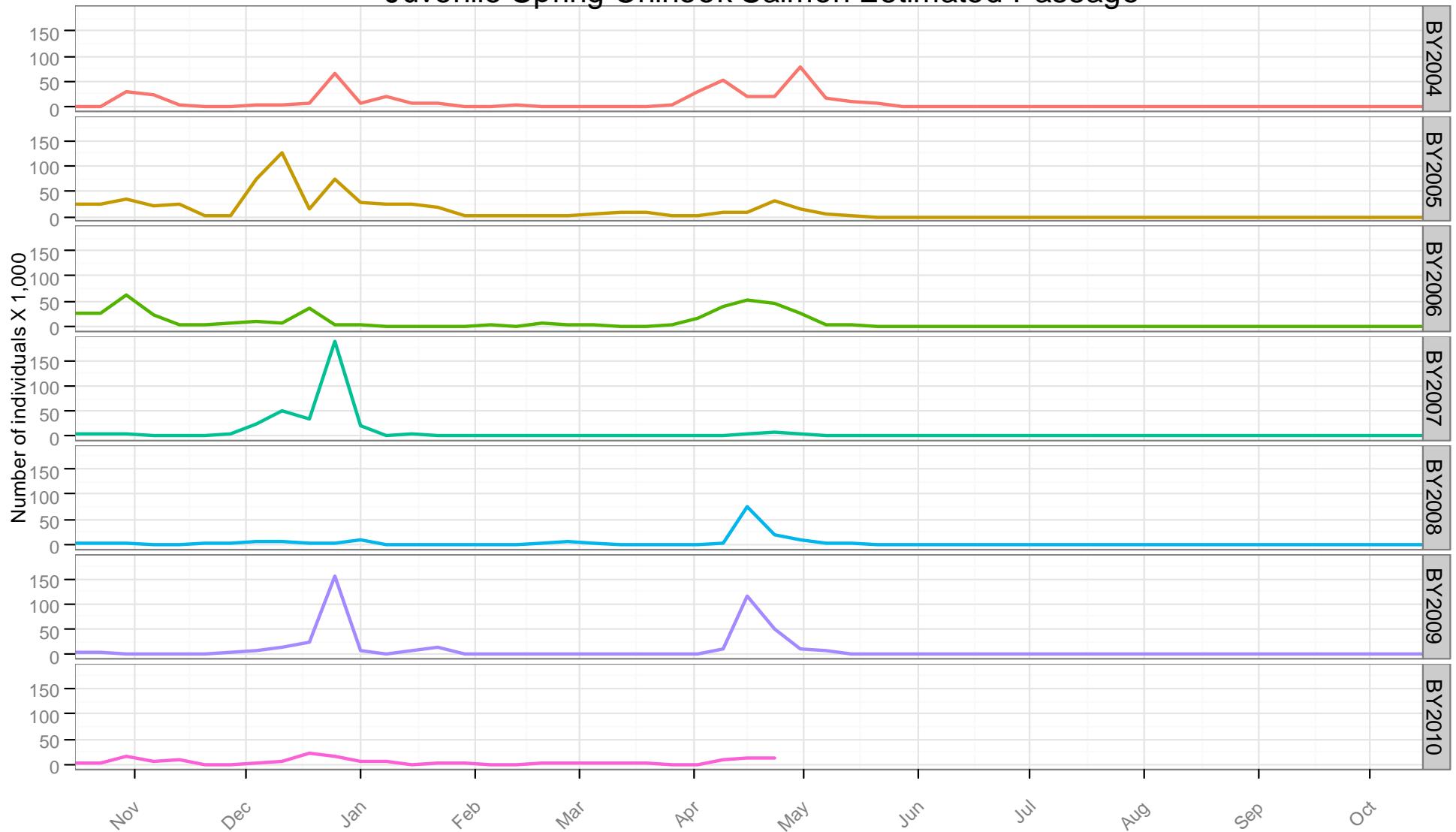


Figure 2. Weekly estimated passage of juvenile Spring Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period October 16 2004 to present .

Juvenile *Oncorhynchus mykiss* Estimated Passage

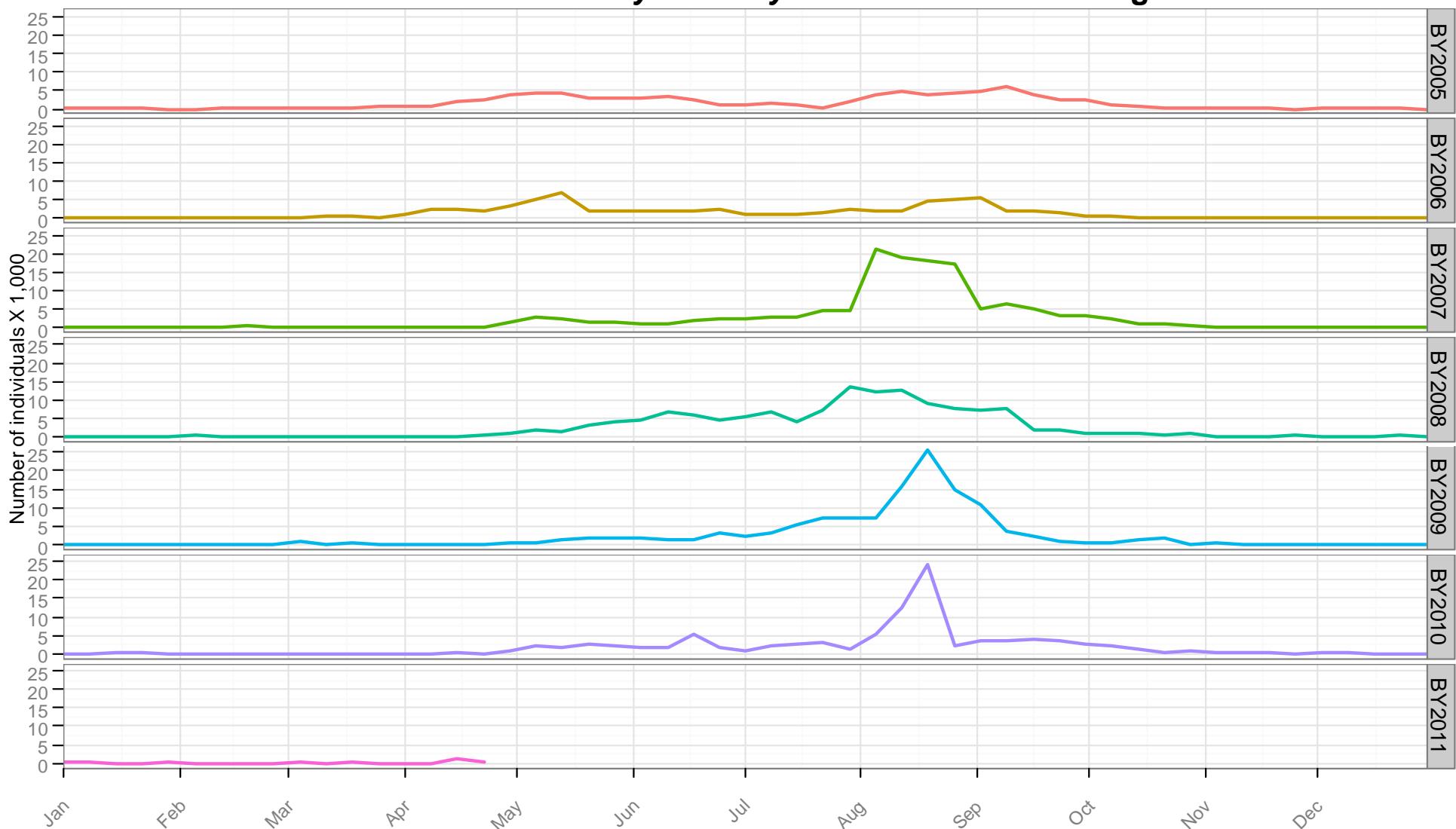


Figure 3. Weekly estimated passage of juvenile Rainbow/Steelhead trout at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period January 1 2005 to present .

Juvenile Fall Chinook Salmon Estimated Passage

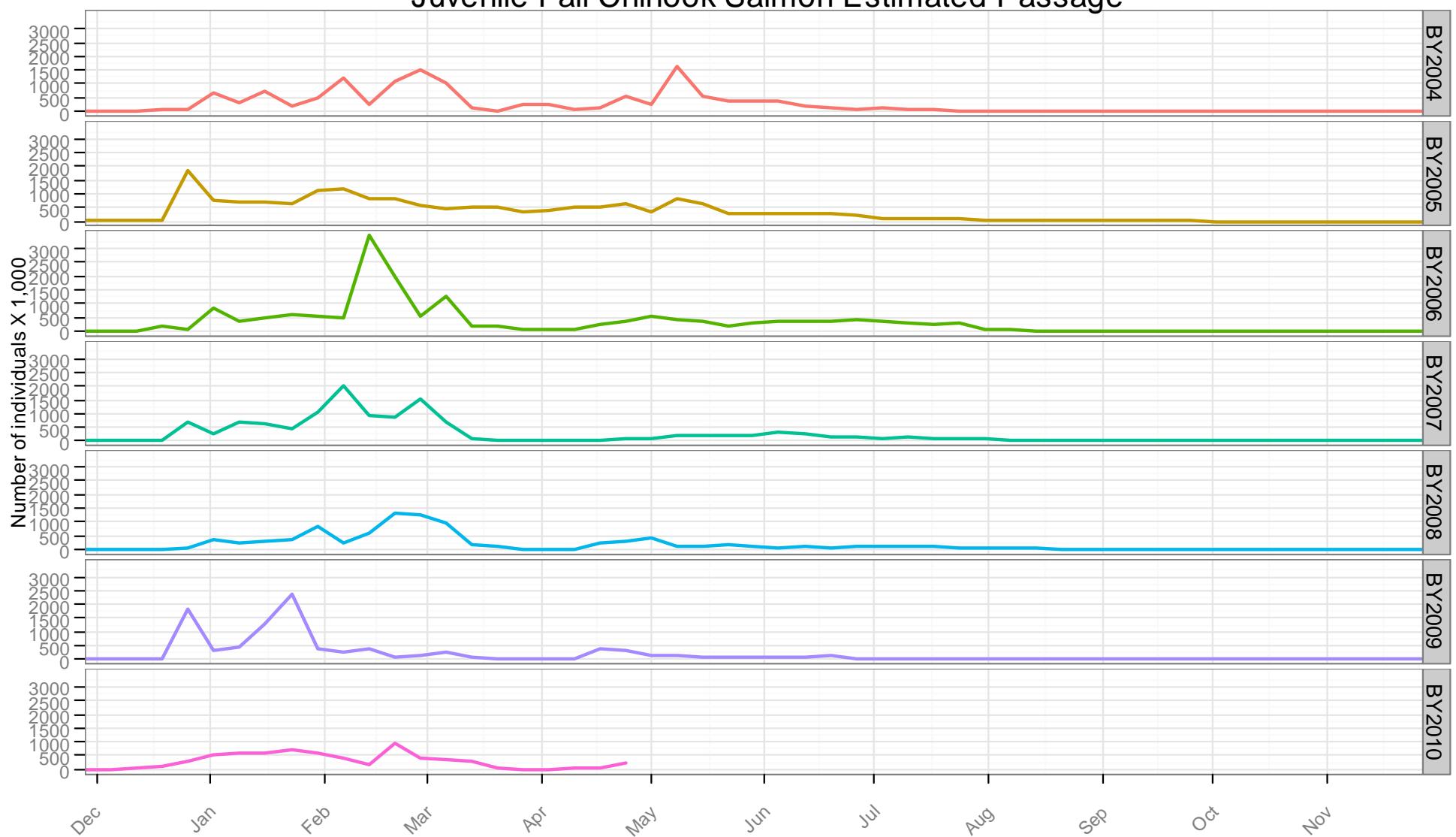


Figure 4. Weekly estimated passage of juvenile Fall Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period December 1 2004 to present.

Juvenile Late Fall Chinook Salmon Estimated Passage

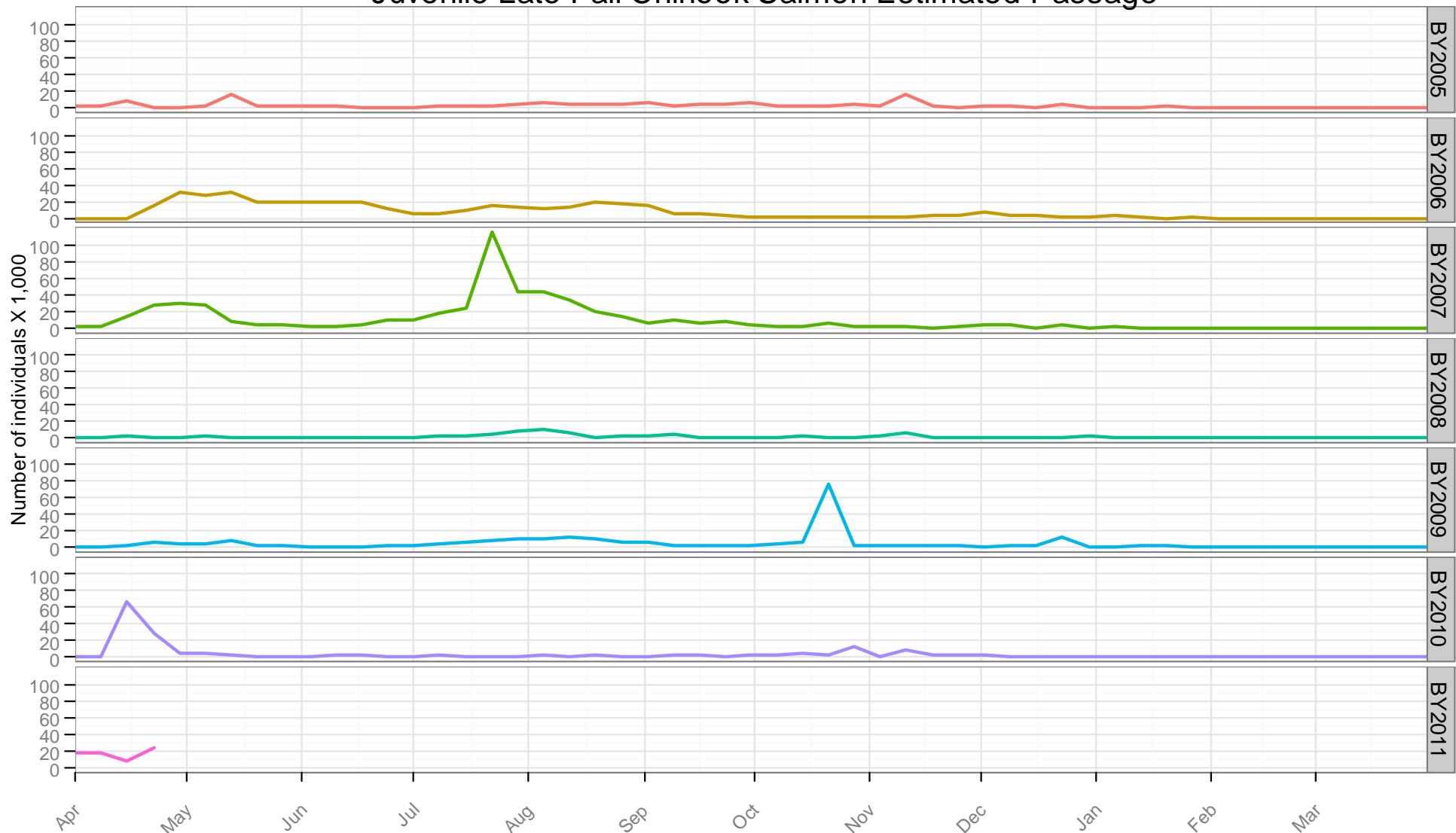


Figure 5. Weekly estimated passage of juvenile Late Fall Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period April 1 2005 to present .

Weekly Estimated Chinook Passage at Red Bluff Diversion Dam - All Runs Combined

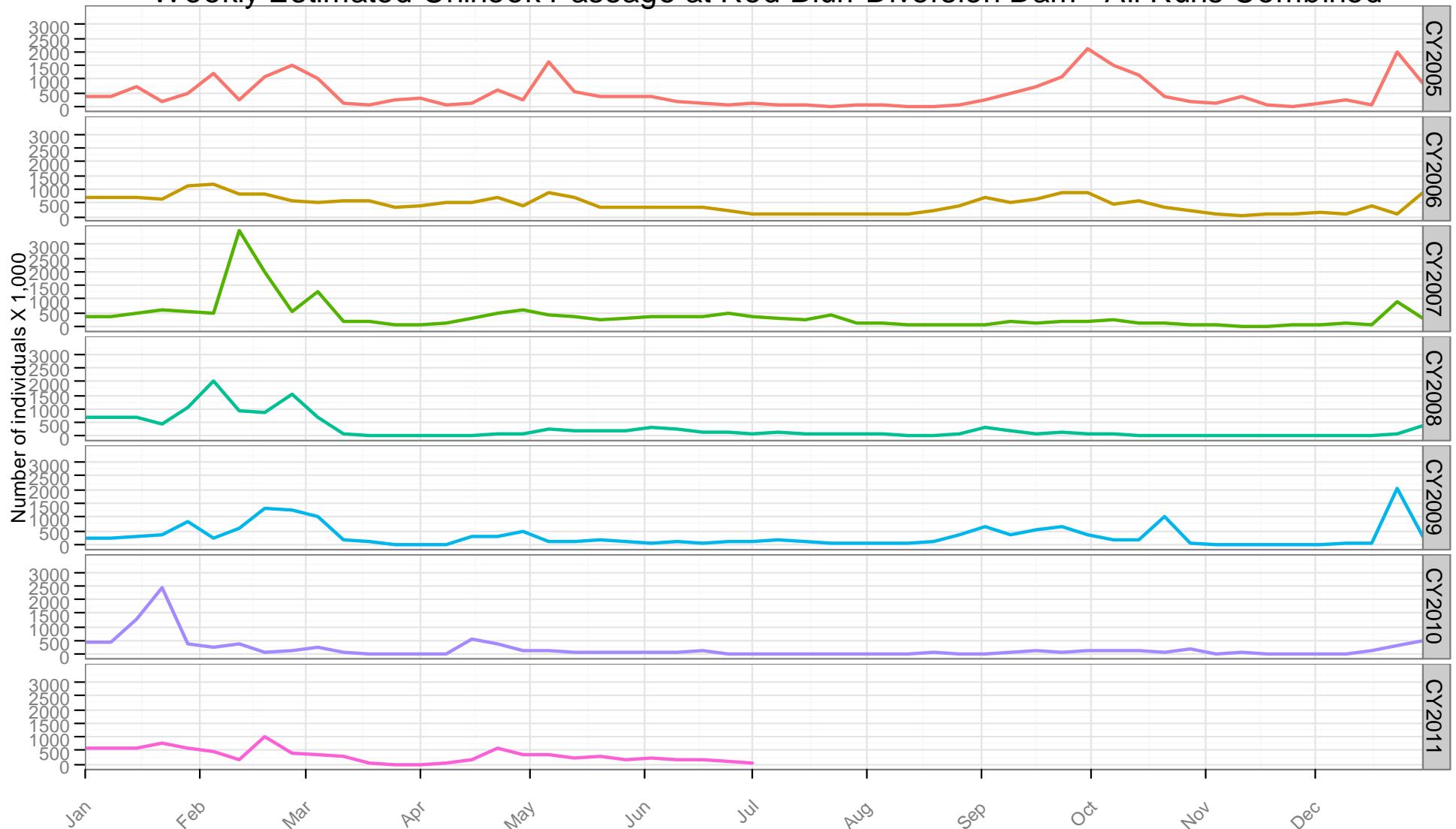


Figure 6. Weekly estimated passage of juvenile Chinook Salmon at Red Bluff Diversion Dam (RK391), by calendar year. Fish were sampled using rotary-screw traps for the period January 1 2005 to June 30 2011